



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
PROGRAM DEVELOPMENT & ADMINISTRATION DIVISION
SUITE 600, JAMES K. POLK BUILDING
505 DEADERICK STREET
NASHVILLE, TENNESSEE 37243-1402
(615) 741-3301

JOHN C. SCHROER
COMMISSIONER

BILL HASLAM
GOVERNOR

TO: Will Reid, Assistant Chief Engineer of Operations

FROM: *RP* Ronnie Porter, Director, Program Development and Administration Division

SUBJECT: **Proprietary Item Request and Justification for Pigeon Forge for McCain controllers and GRIDSMAST detection.**

I, Ronnie Porter, Director of the Program Development and Administration Division, request approval for the City of Pigeon Forge to be certified to utilize the following proprietary item(s) over the next three years, where Federal and/or State funding is used:

McCain ATC eX2 NEMA controllers

GRIDSMAST detection

Justification

Please see attached letters from the City for justification.

If you have any questions or comments, please contact **Eli Jones (615) 532-3184** with the Local Programs Development Office or at Eli.Jones@tn.gov.

I, Ronnie Porter, Program Development and Administration Division Director, of the Tennessee Department of Transportation, do hereby certify that in accordance with the requirements of 23 CFR 635.411(a) (2) that the patented or proprietary item(s) as listed above is essential for the synchronization with existing facilities or no equally suitable alternative exists for this patented or proprietary item as listed above.

310 Jones, Director, Traffic Operations
Recommendation for Approval

[Signature]
Assistant Chief Engineer of Operations

11/17/17
Date



October 30, 2017

Mr. Steve Bryan, P.E.
TDOT Traffic Operations Division
James K. Polk Building, Suite 1300
505 Deaderick Street
Nashville, TN 37243

RE: TDOT Project Numbers 78LPLM-F1-014 and 78LPLM-F1-027

Dear Mr. Bryan:

The City of Pigeon Forge would like to request the use of the GRIDSMAST System in conjunction with the above referenced projects (Sevier County Tourist Corridor Intelligent Transportation System) and at all future traffic signals that are maintained and operated by the City over the next three (3) years. This request encompasses all projects that will be completed using either federal or state funding. The City currently utilizes GRIDSMAST video vehicle detection at five (5) of their twenty-four (24) signalized intersections.

Beyond detecting vehicles, the GRIDSMAST System provides capabilities that the City has found valuable that include providing real-time video images to the City's traffic operations center, pan-tilt-zoom capability, and performing turning movement counts. The technicians for the City's on-call contractor have completed training and have on-the-job experience and are familiar with the operation of GRIDSMAST and its components. These technicians perform routine maintenance and troubleshooting. Additionally, the above referenced projects will be completed in conjunction with the City of Sevierville, which currently has nineteen (19) intersections with GRIDSMAST. Since the City of Pigeon Forge works closely with the City of Sevierville, ensuring compatibility with signal components helps to create a seamless transportation system.

Thanks for your consideration concerning this request as the City of Pigeon Forge upgrades and enhances their existing advance traffic control system. If you have any questions, please contact me by phone at (865) 453-9061 or email at eteaster@cityofpigeonforgetn.gov.

Sincerely,

CITY OF PIGEON FORGE

Earlene M. Teaster
City Manager



October 23, 2017

Mr. Steve Bryan, P.E.
TDOT Traffic Operations Division
James K. Polk Building, Suite 1300
505 Deaderick Street
Nashville, TN 37243

RE: TDOT Project Numbers 78LPLM-F1-014 and 78LPLM-F1-027

Dear Mr. Bryan,

The City of Pigeon Forge would like to request the use of McCain ATC eX2 NEMA controllers in conjunction with the above referenced projects (Sevier County Tourist Corridor Intelligent Transportation System) and at all future traffic signals that are maintained and operated by the City over the next three (3) years. This request encompasses all projects that will be completed using either federal or state funding. The City primarily utilizes signal controllers manufactured by PEEK at their twenty-four (24) signalized intersections. McCain ATC eX2 NEMA controllers and McCain's Transparency C2C central software system were selected by the City during qualifications based selection process as outlined in the systems engineering analysis (SEA) for these projects.

The City of Pigeon Forge, in conjunction with the City of Sevierville, issued a request for proposals (RFP), in December 2016, requesting qualified vendors to submit proposals to provide services and equipment to operate as the City's signal software and local controller/cabinet hardware standard for the above referenced projects and in future traffic signal installations and upgrades. The RFP contained several qualifications and system requirements that each vendor was required to explain in detail how they would meet them in order to be considered. The qualifications and requirements included, but were not limited to, ATC controllers that are compatible with NEMA TS-1, TS-2, and ATC/TTS cabinet standards; the deployment of at least fifty (50) ATC controllers, a central system that supports multiple central operation facilities; and availability of staff for technical support. The deadline for proposals was February 9, 2017, and several vendors submitted proposals to the City. Two (2) vendors were invited to make in-person demonstrations to City staff displaying their controllers and software in addition to allowing the City to bench test their equipment independently. Once the demonstrations were completed, the City of Pigeon Forge, along with the City of Sevierville, determined that McCain could best serve both cities need for an advanced traffic management system.

A traditional low-bid process may not ensure that the signal system is sufficiently integrated or customized for an agency's needs. Therefore, a competitive RFP process, as outlined above, is recommended by the Federal Highway Administration (FHWA) for the assessing and procuring complex ITS equipment and software.

Thanks for your consideration concerning this request as the City of Pigeon Forge upgrades and enhances their existing advance traffic control system. If you have any questions, please contact me by phone at (865) 453-9061 or email at eteaster@cityofpigeonforgetn.gov.

Sincerely,

CITY OF PIGEON FORGE

A handwritten signature in cursive script, reading "Earlene M. Teaster".

Earlene M. Teaster
City Manager

EMT:keh